

San Diego County Traffic Advisory Committee



Committee Secretary
5510 Overland Avenue #410, Room 470, M.S. 0-334
San Diego, California 92123-1239
(858) 694-3845

Represented Agencies

Automobile Club of Southern
California
California Department of
Transportation
California Highway Patrol
Independent Insurance Agents
& Brokers of San Diego
San Diego County Bicycle Coalition
San Diego County Department of
Public Works
San Diego County Office of Education
San Diego County Pacific Safety
Council
San Diego County
Sheriff's Department

July 12, 2013

To: Each Member of the San Diego County Traffic Advisory Committee

From: Secretary

MEETING NOTICE (** New Location)

Attached is the preliminary agenda for the Traffic Advisory Committee meeting to be held on Friday, July 26, 2013. The meeting will begin at 9:00 AM at the **Department of the Public Works, Second Floor Room 271, 5510 Overland Avenue in San Diego.**

KENTON R. JONES, Secretary
San Diego County Traffic Advisory Committee

KRJ:mr-l

Attachments



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

July 26, 2013

AGENDA

- I. Call to Order / Roll Call**
- II. Pledge of Allegiance**
- III. Approval of Minutes from June 7, 2013**
- IV. Items for Review**

SUBJECT	LOCATION	AREA	PLANNING/ SPONSOR GROUP
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SUPERVISORIAL DISTRICT 2

A. RADAR RECERTIFICATION	GREENFIELD DRIVE	EL CAJON	LAKESIDE
B. RADAR RECERTIFICATION	HAWLEY ROAD	BLOSSOM VALLEY	LAKESIDE
C. RADAR RECERTIFICATION	OLD HIGHWAY 80	PINE VALLEY	PINE VALLEY
D. RADAR RECERTIFICATION	HANSON LANE	RAMONA	RAMONA

SUPERVISORIAL DISTRICT 3

A. SPEED LIMIT	CAMINO DEL NORTE	4S RANCH	SAN DIEGUITO
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SUPERVISORIAL DISTRICT 5

A. ALL-WAY STOP CONTROL	LAKE SAN MARCOS DR @ SAN MARINO DR	LAKE SAN MARCOS	N/A
B. RADAR CERTIFICATION	CAMINO DEL REY	BONSALL	BONSALL
C. RADAR RECERTIFICATION	RHO SANTA FE RD/LA BAJADA/LOS MORROS	RANCHO SANTA FE	SAN DIEGUITO
D. RADAR RECERTIFICATION	EL MIRLO	RANCHO SANTA FE	SAN DIEGUITO
E. RADAR RECERTIFICATION	HUTCHISON STREET	VISTA/BONSALL	BONSALL
F. RADAR RECERTIFICATION	BROOKE ROAD	FALLBROOK	FALLBROOK
G. RADAR RECERTIFICATION	RECHE ROAD	FALLBROOK	FALLBROOK

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 **Item 2-A**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Greenfield Drive from the El Cajon City Limit (west of Second Street) westerly to the El Cajon City Limit (east of Mollison Avenue) (0.74 miles) EL CAJON (Thos. Bros. 1251-J3) Lakeside Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 35 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Greenfield Drive is posted 35 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 35 MPH speed limit.

Existing Traffic Devices

Greenfield Drive is a striped two-lane Through Highway that varies from 34 to 62 feet wide. Between the westerly El Cajon City Limit and Oro Street, the road is signed as a Bike Route with edge-striping along both sides. East of Oro Street, there is a bike lane along both sides of the roadway. The road is posted 35 MPH/Radar Certified. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>3/13</u>	<u>4/02</u>	<u>3/99</u>
Greenfield Drive:			
W/o Oro Street	11,110*		9,470*
W/o First Street		10,560*	

* Two-Way Count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Greenfield Drive:			
100' e/o Oro Street	(2013) 39.5 MPH	30-39	69.0%
	(2006) 39.8 MPH	32-41	74.8%

Collision Data

There have been ___ reported collisions, ___ of which involved injury, along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

Greenfield Drive



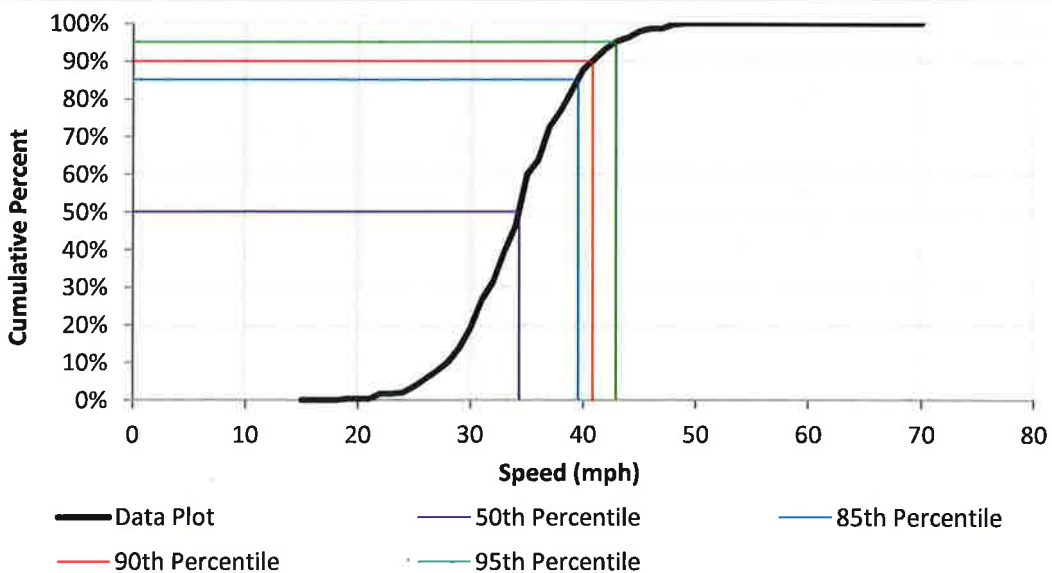
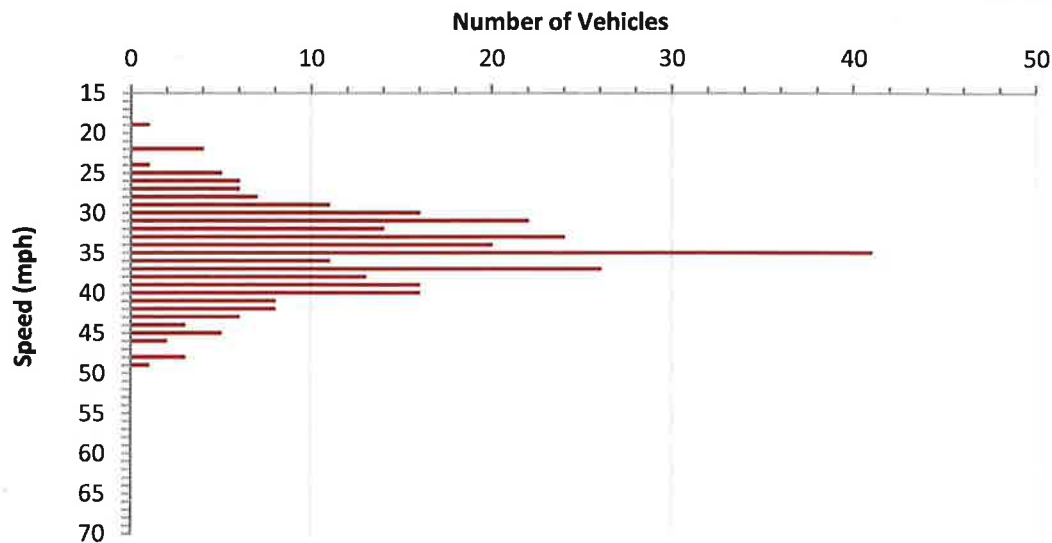


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Greenfield Drive	From:	N/A	To:	N/A
Position:	100 Feet West of Oro St	Direction:	EB/WB		
Date:	6/28/2013	Weather:	SUNNY	Project Number:	13-4247-001
Time Start:	9:00 AM	Road Condition:	N/A	Observer:	N/A
Time End:	11:00 AM	Posted Speed:	35 MPH	Calibration Test:	N/A

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19	1	0.3%
20		
21		
22	4	1.7%
23		
24	1	2.0%
25	5	3.7%
26	6	5.7%
27	6	7.8%
28	7	10.1%
29	11	13.9%
30	16	19.3%
31	22	26.7%
32	14	31.4%
33	24	39.5%
34	20	46.3%
35	41	60.1%
36	11	63.9%
37	26	72.6%
38	13	77.0%
39	16	82.4%
40	16	87.8%
41	8	90.5%
42	8	93.2%
43	6	95.3%
44	3	96.3%
45	5	98.0%
46	2	98.6%
47		
48	3	99.7%
49	1	100.0%
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	296	



DATA ANALYSIS

Average Speed	34.8	Range	19 - 49
50th Percentile	34.3	10 mph Pace	30 - 39
85th Percentile	39.5	Number in Pace	203
90th Percentile	40.8	Percent in Pace	69%
95th Percentile	42.9		

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 **Item 2-B**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Hawley Road from the north line of Olde Highway 80 northerly to the End of County-Maintenance (0.48 miles) BLOSSOM VALLEY (Thos. Bros. 1233-C3) Lakeside Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 40 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Hawley Road is posted 40 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Hawley Road is a striped two-lane roadway that measures approximately 24 feet wide. The road is posted 40 MPH/Radar Certified. This roadway is classified as a Minor Collector on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>6/13</u>	<u>2/06</u>
Hawley Road: N/o Olde Highway 80	1,510*	1,380*

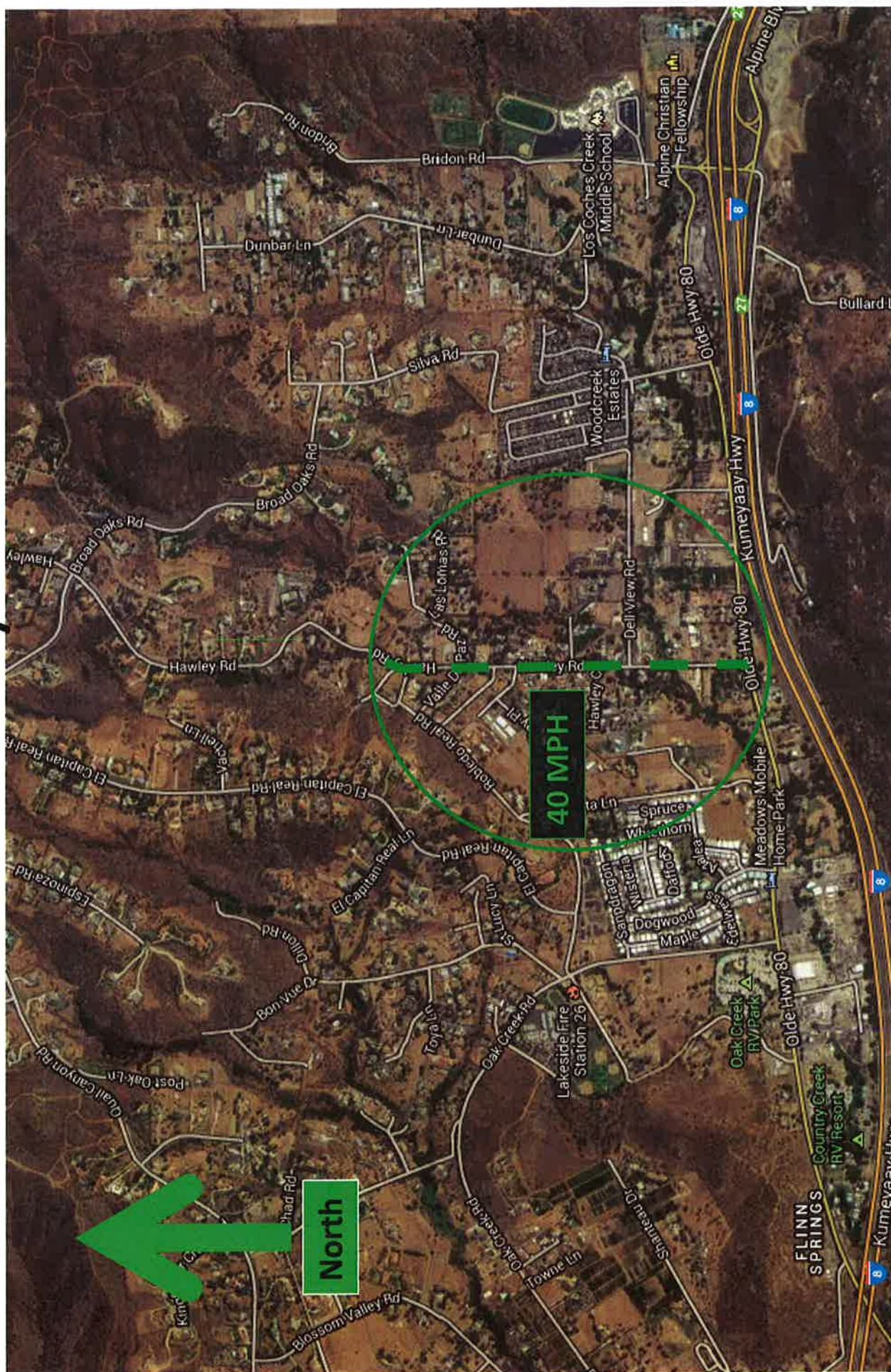
* Two-Way Count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Hawley Road: 650' n/o Olde Highway 80	(2013) 40.0 MPH	28-37	62.0%
	(2006) 40.9 MPH	32-41	60.1%

Collision Data

There have been ___ reported collisions, ___ of which involved injury, along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

Hawley Road



Spot Speed Study

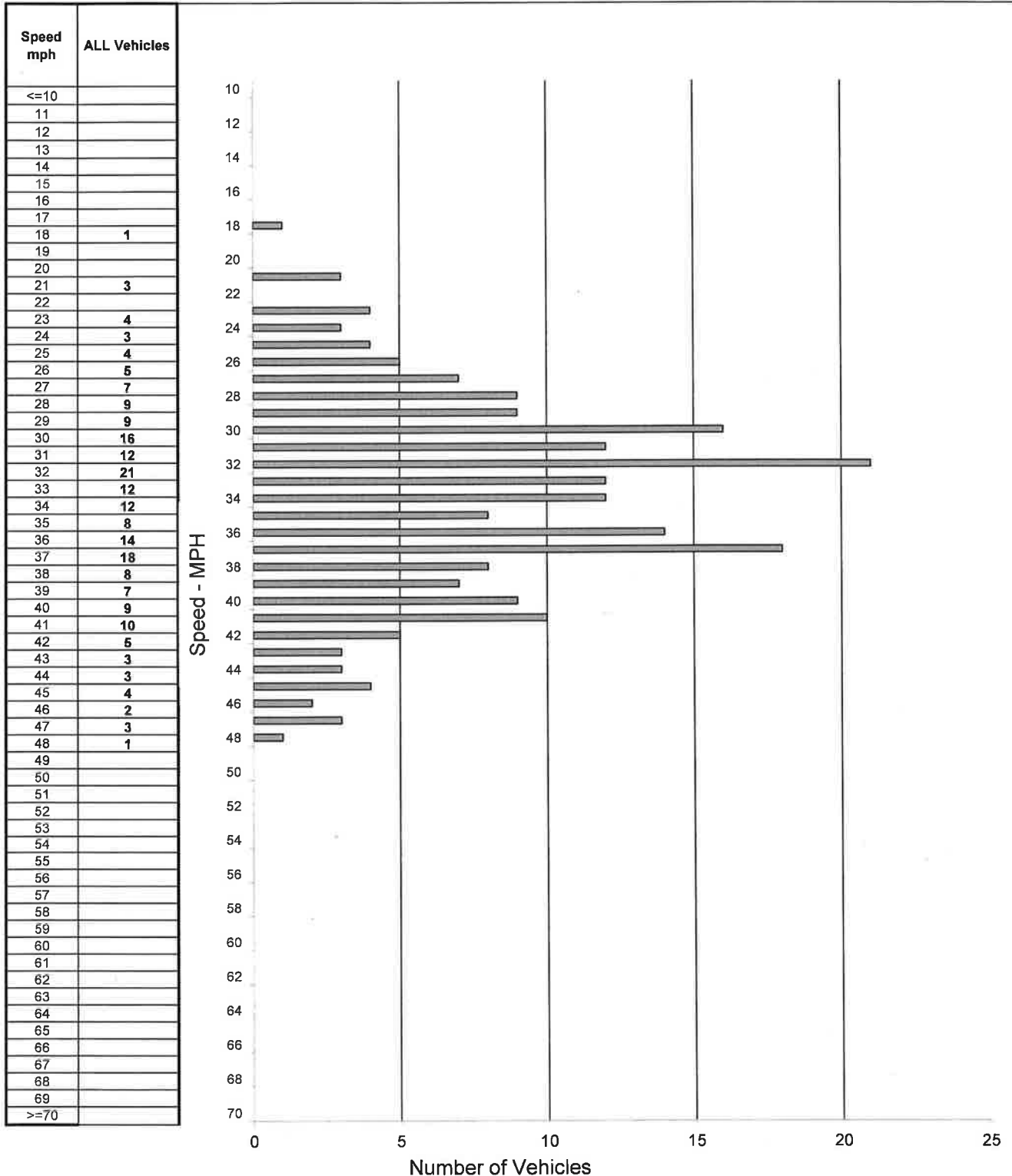
Prepared by: National Data & Surveying Services

City of Flinn Springs

DATE: 6/5/2013
TIME: 13:23-15:23

Location: Hawley Rd 650' n/o Olde Hwy 80
Posted Speed: 40 MPH Clear/Dry Project #: 13-4187-001

Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	213	18 - 48	34 mph	40 mph	28 - 37	131	62%	12% / 27	26% / 55

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 **Item 2-C**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Old Highway 80 from a point 380 feet west of the west line of Pine Valley Road easterly to a point 800 feet east of the east line of Oak Lane (0.65 miles) PINE VALLEY (Thos. Bros. 1237-B7) Pine Valley Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 35 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Old Highway 80 is posted 35 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 35 MPH speed limit.

Existing Traffic Devices

Old Highway 80 is a striped two-lane roadway that varies from 36 to 50 feet wide. There is edge-striping along both sides of the roadway. The road is posted 35 MPH/Radar Certified. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>6/13</u>	<u>4/02</u>	<u>8/99</u>
Old Highway 80: E/o Pine Valley Road	2,940*	3,200*	4,530*

* Two-Way Count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Old Highway 80: 260' e/o Pine Valley Road	(2013) 35.0 MPH (2006) 35.6 MPH	24-33 24-33	65.0% 63.0%

Collision Data

There have been __ reported collisions, __ of which involved injury, along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

Old Highway 80



Spot Speed Study

Prepared by: National Data & Surveying Services

City of Pine Valley

DATE: 6/4/2013

Location: Old Highway 80 260' e/o Pine Valley Rd

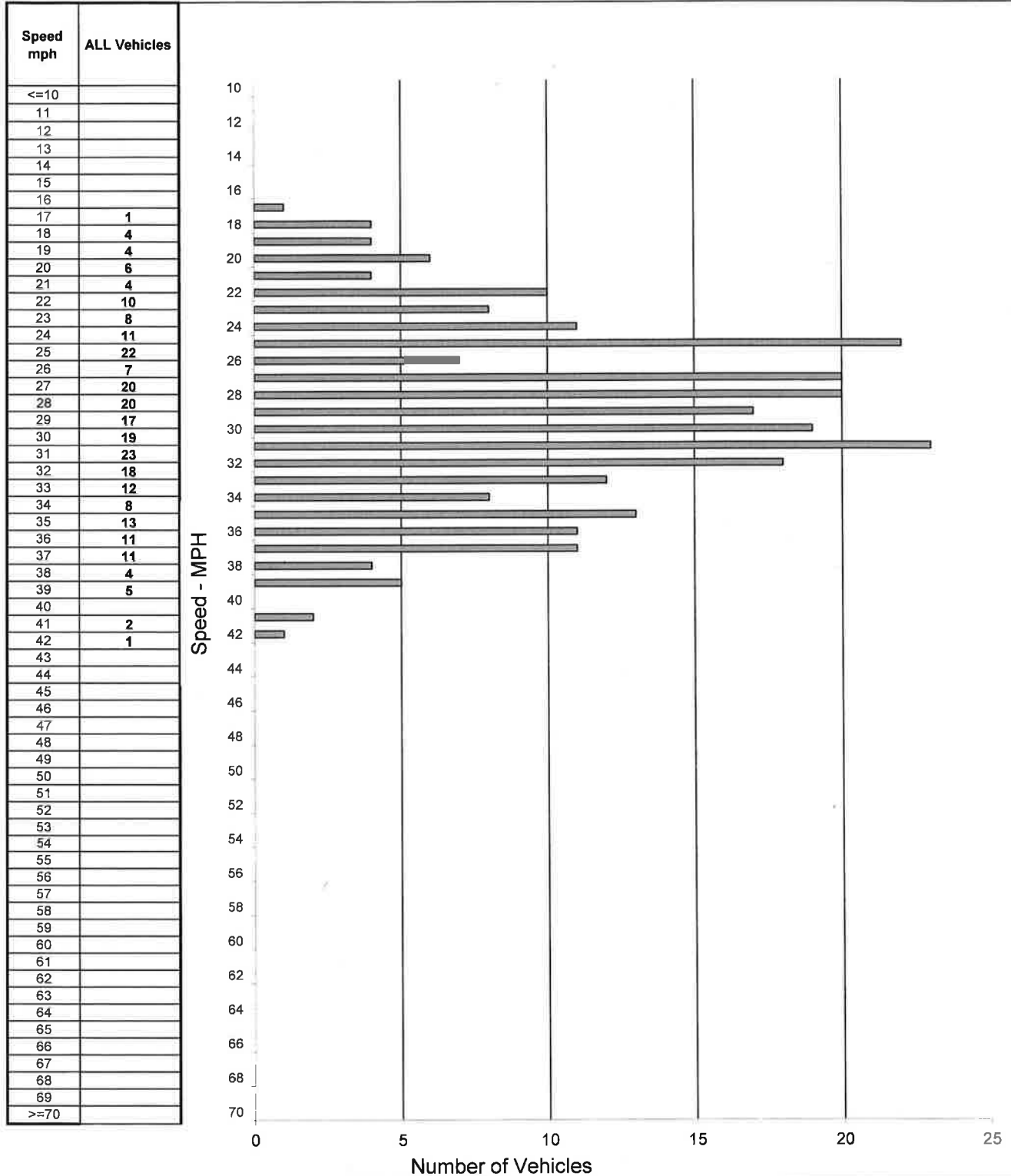
TIME: 13:14-15:14

Posted Speed: 35 MPH

Clear/Dry

Project #: 13-4183-001

Eastbound & Westbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	261	17 - 42	29 mph	35 mph	24 - 33	169	65%	14% / 37	22% / 55

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 Item 2-D

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Hanson Lane from the east line of San Vicente Road easterly to the west line of Wilson Road (1.3 miles)
RAMONA (Thos. Bros. 1172-G1) Ramona Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 45 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Hanson Lane is posted 45 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 45 MPH speed limit.

Existing Traffic Devices

Hanson Lane is a striped two-lane roadway that varies from 26 to 40 feet wide. There are bike lanes along both sides between San Vicente Road and Ashley Road, beyond the roadway is signed as a Bicycle Route. The road is posted 45 MPH/Radar Certified. This roadway is classified as a Minor Collector on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>6/13</u>	<u>3/02</u>	<u>10/99</u>
Hanson Lane:			
E/o Barnett Road	4,270*		
W/o Ashley Road		2,990*	3,790*

* Two-Way Count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Hanson Lane:			
150' e/o Barnett Road	(2013) 48.1 MPH	37-46	63.7%
	(2006) 47.2 MPH	38-47	69.0%

Collision Data

There have been ___ reported collisions, ___ of which involved injury, along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

Hanson Lane



RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Hansen Lane 150 ft E/o Barnett Road

DATE: 6-6-13 TIME START: 11:47 AM TIME END: 1:47 PM WEATHER: clear ROAD TYPE:

DIRECTION: Ebt/Wbt SPEED LIMIT: 45MPH OBSERVER: CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					0-----5-----10-----15-----20-----
27	2	54	2	0.8	**
28	0	0	2	0.8	*
29	3	87	5	2.0	***
30	1	30	6	2.4	*
31	2	62	8	3.1	**
32	3	96	11	4.3	***
33	3	99	14	5.5	***
34	2	68	16	6.3	**
35	6	210	22	8.7	*****
36	10	360	32	12.6	*****
37	12	444	44	17.3	*****
38	15	570	59	23.2	*****
39	12	468	71	28.0	*****
40	17	680	88	34.6	*****
41	12	492	100	39.4	*****
42	20	840	120	47.2	*****
43	11	473	131	51.6	*****
44	22	968	153	60.2	*****
45	19	855	172	67.7	*****
46	22	1012	194	76.4	*****
47	11	517	205	80.7	*****
48	10	480	215	84.6	*****
49	5	245	220	86.6	****
50	9	450	229	90.2	*****
51	7	357	236	92.9	*****
52	8	416	244	96.1	*****
53	2	106	246	96.9	**
54	2	108	248	97.6	**
55	3	165	251	98.8	***
56	0	0	251	98.8	*
57	1	57	252	99.2	*
58	1	58	253	99.6	*
59	0	0	253	99.6	*
60	1	60	254	100.0	*
					0-----5-----10-----15-----20-----
254		10887			

AVERAGE SPEED = 42.8
 50th PERCENTILE = 42.6
 85th PERCENTILE = 48.1
 90th PERCENTILE = 49.9
 95th PERCENTILE = 51.6

PACE = 37 - 46
 % IN PACE = 63.7
 VEHICLES IN PACE = 162

SAMPLE VARIANCE = 33.57387
 STANDARD DEVIATION = 5.794296
 RANGE 1*S = 67.32283
 RANGE 2*S = 94.48819
 RANGE 3*S = 100

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 **Item 3-A**

SUPERVISORIAL DISTRICT: 3

SUBJECT: Speed Limit

LOCATION: Camino del Norte between the San Diego City Limits (Bernardo Center Drive and Rancho Bernardo Road/Lone Quail Road) (a distance of 1.5 miles), 4S RANCH (Thos. Bros. 1169-G4) San Dieguito Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Review Establishment of a Formal Speed Limit

PROBLEM AS STATED BY REQUESTER:

Due to ongoing speed-related concerns from local residents and law enforcement agencies, we respectfully request Camino del Norte be reviewed for appropriateness for establishment of a formal speed limit.

Existing Traffic Devices

Camino del Norte is a striped six-lane roadway that measures 80 feet in width. There is a raised center median separating both directions of travel. There is also edge-striping along both sides of the roadway. The roadway is classified as a Prime Arterial on the Circulation Element Map. The road is unposted. (NOTE: Camino del Norte, easternmost segment, is posted 50 MPH in the City of San Diego. Camino del Sur, westernmost extension also in the City is posted 45 MPH.)

Average Daily Traffic Volumes **06/13**

Camino del Norte:
E/o 4S Ranch Parkway * (pending)
E/o Camino San Bernardo *

*Two-way count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Camino del Norte:			
500' e/o Camino San Bernardo	(2013) 59.9 MPH	52-61	66.0%
	(2009) 65.0 MPH	56-65	60.0%
600' e/o 4S Ranch Parkway	(2013) 47.3 MPH	36-45	60.7%
700' w/o 4S Ranch Parkway	(2009) 51.0 MPH	40-49	66.0%

Collision Data

There have been ___ reported collisions, ___ of which involved injury, along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

45 MPH

North

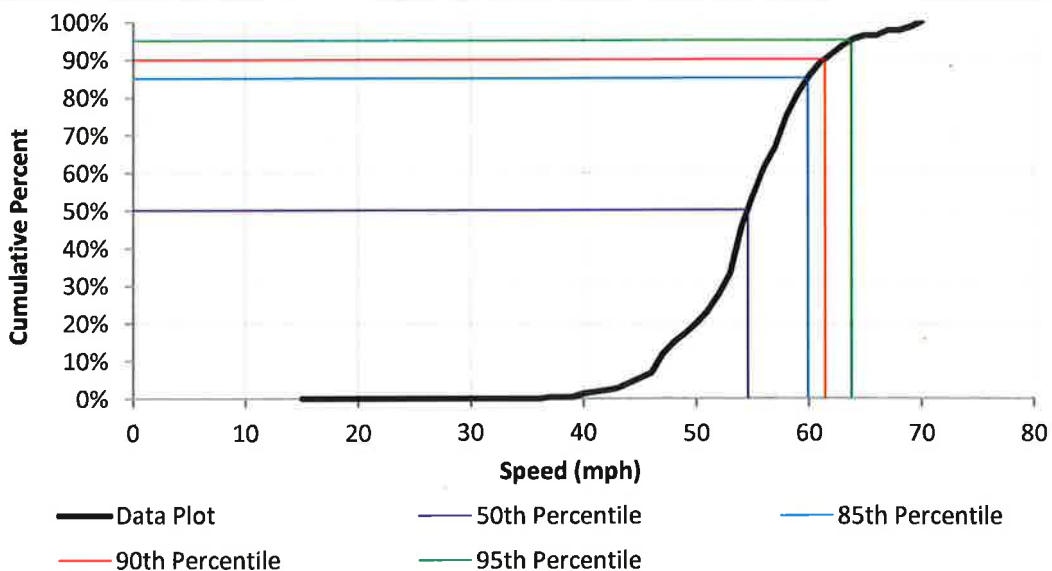
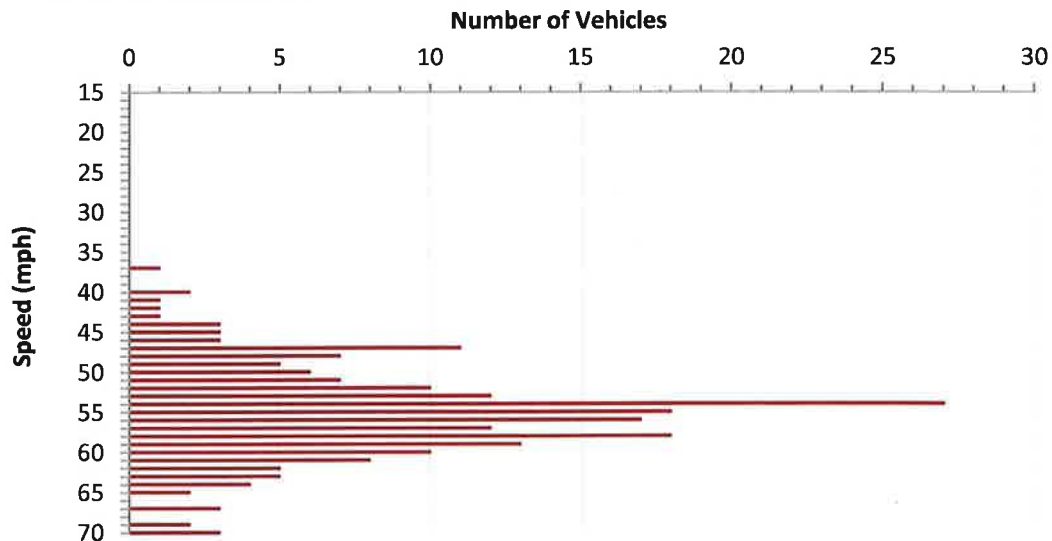


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Camino Del Norte	From:	N/A	To:	N/A
Position:	500 ft East of Camino San Bernardo	Direction:	EB/WB		
Date:	6/25/2013	Weather:	Clear	Project Number:	N/A
Time Start:	12:45 PM	Road Condition:	N/A	Observer:	Tricia
Time End:	2:15 PM	Posted Speed:	N/A	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37	1	0.5%
38		
39		
40	2	1.4%
41	1	1.8%
42	1	2.3%
43	1	2.7%
44	3	4.1%
45	3	5.5%
46	3	6.8%
47	11	11.8%
48	7	15.0%
49	5	17.3%
50	6	20.0%
51	7	23.2%
52	10	27.7%
53	12	33.2%
54	27	45.5%
55	18	53.6%
56	17	61.4%
57	12	66.8%
58	18	75.0%
59	13	80.9%
60	10	85.5%
61	8	89.1%
62	5	91.4%
63	5	93.6%
64	4	95.5%
65	2	96.4%
66		
67	3	97.7%
68		
69	2	98.6%
70	3	100.0%
Total	220	



DATA ANALYSIS

Average Speed	55.0	Range	37 - 70
50th Percentile	54.6	10 mph Pace	52 - 61
85th Percentile	59.9	Number in Pace	145
90th Percentile	61.4	Percent in Pace	66%
95th Percentile	63.8		

RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Camino del Norte 600 ft E/o 4S Ranch Py

DATE: 6-25-13 TIME START: 2:20 pm TIME END: 3:00 pm WEATHER: clear ROAD TYPE:

DIRECTION: Ebt/Wbt SPEED LIMIT: OBSERVER: Tricia CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
30	2	60	2	1.5	***
31	1	31	3	2.2	**
32	6	192	9	6.7	*****
33	2	66	11	8.1	***
34	3	102	14	10.4	*****
35	8	280	22	16.3	*****
36	8	288	30	22.2	*****
37	6	222	36	26.7	*****
38	7	266	43	31.9	*****
39	4	156	47	34.8	*****
40	11	440	58	43.0	*****
41	13	533	71	52.6	*****
42	11	462	82	60.7	*****
43	9	387	91	67.4	*****
44	4	176	95	70.4	*****
45	9	405	104	77.0	*****
46	3	138	107	79.3	*****
47	5	235	112	83.0	*****
48	7	336	119	88.1	*****
49	3	147	122	90.4	*****
50	5	250	127	94.1	*****
51	3	153	130	96.3	*****
52	2	104	132	97.8	***
53	2	106	134	99.3	***
54	0	0	134	99.3	*
55	1	55	135	100.0	**
					0-----5-----10-----15-----20-----
135		5590			

AVERAGE SPEED = 41.4
 50th PERCENTILE = 40.7
 85th PERCENTILE = 47.3
 90th PERCENTILE = 48.8
 95th PERCENTILE = 50.4

PACE = 36 - 45
 % IN PACE = 60.7
 VEHICLES IN PACE = 82

SAMPLE VARIANCE = 31.36264
 STANDARD DEVIATION = 5.600236
 RANGE 1*S = 66.66667
 RANGE 2*S = 96.29629
 RANGE 3*S = 100

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 7, 2013 **Item 5-A**

SUPERVISORIAL DISTRICT: 5

SUBJECT: All-Way Stop Control

LOCATION: Lake San Marcos Drive and San Marino Drive, LAKE SAN MARCOS (Thos. Bros. 1128-C2)

INITIATED BY: DPW-Traffic Engineering

REQUEST: Review Appropriateness for All-Way Stop Control

PROBLEM AS STATED BY REQUESTER:

Due to recent development in Lake San Marcos, traffic patterns have changed significantly. Please review the intersection of Lake San Marcos Drive and San Marino Drive for appropriateness of an all-way stop control installation.

Existing Traffic Devices

Lake San Marcos Drive is a striped four-lane roadway that “tees” into San Marino Drive from the west. It measures 84 feet wide and has a raised planted median separating both directions of travel. It is stop controlled with limit lines and pavement legends in place. The road is unposted. This roadway is unclassified on the County General Plan Mobility Element Network.

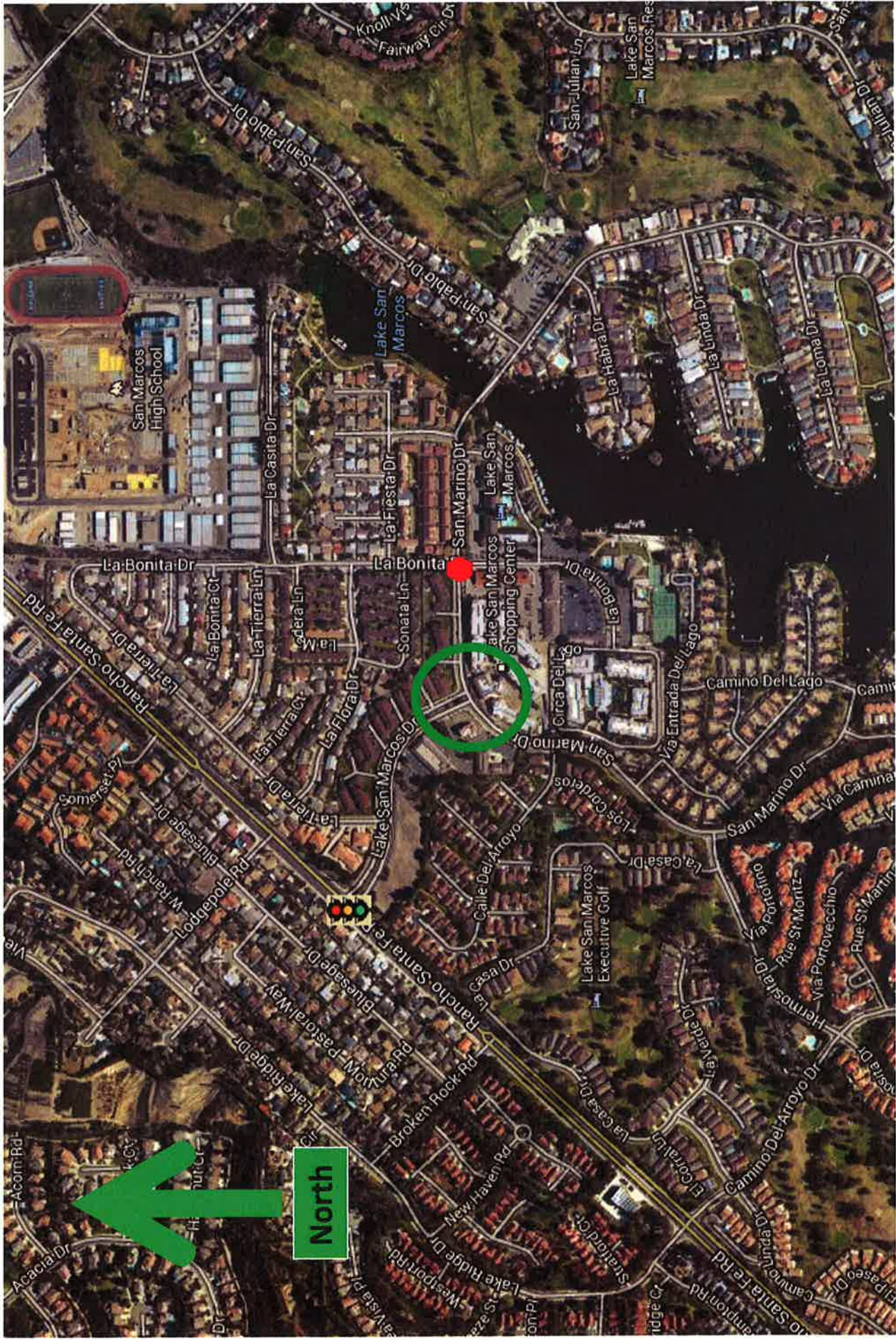
San Marino Drive is a striped two-lane roadway that measures 35 feet wide and is posted 25 MPH/Radar Certified. This roadway is unclassified on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>06/13</u>	<u>02/10</u>
Lake San Marcos Drive: W/o San Marino Drive	2,930 EB	2,320 EB
San Marino Drive: N/o Lake San Marcos Drive	2,750 SB	2,310 SB
S/o Lake San Marcos Drive	1,780 NB	1,260 NB

Collision Data

There have been two reported collisions, both of which involved injury, at this intersection in the last five years, four months (01-01-08 to 04-30-13).

Lake San Marcos Dr @ San Marino Dr



TAC 7-26-13
ITEM 5-A

County of San Diego
Department of Public Works

ALL-WAY STOP WARRANTS

Major Street San Marino Drive
Minor Street Lake San Marcos

(Item 1) FOR EACH OF ANY EIGHT HOURS:

500 TOTAL VEHICLES ENTERING THE INTERSECTION

200 TOTAL VEHICLES ON MINOR STREET APPROACH

-OR-

(Item 2) 5 CORRECTABLE ACCIDENTS IN MOST RECENT 12 MONTHS

Minimum Vehicle Volume Warrant must be satisfied in any 8 hours of a 24 hour Day

Use Reduced Warrants if 85th Percentile Speed Limit is Greater than 40 MPH

HOUR	Full Warrant	Reduced Warrant	10	11	12	13	14	15	16	17
Major Street Approach			380	350	340	380	340	400	340	300
Minor Street Approach	200	140	160	210	230	220	210	220	250	250
TOTAL	500	350	540	560	570	600	550	620	590	550

NO. CORRECTABLE ACCIDENTS (MOST RECENT 12 MONTHS) 0

		YES	NO
VOLUME WARRANT	MET	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ACCIDENT WARRANT	MET	<input type="checkbox"/>	<input type="checkbox"/>

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 **Item 5-B**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Camino del Rey from SR-76 easterly to Via Maria Elena (1.7 miles) BONSALL (Thos. Bros. 1068-A1) Bonsall Community Sponsor Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Review Existing Speed Limit for Radar Certification

PROBLEM AS STATED BY REQUESTER:

Due to ongoing speed-related concerns from local residents and law enforcement agencies, we respectfully request the existing 50 MPH speed limit posting on Camino del Rey be reviewed for its appropriateness for inclusion in the Radar Enforcement Program.

Existing Traffic Devices

Camino del Rey is a striped two-lane Through Highway that varies from 30 feet to 64 feet wide. There are bike lanes along each side of the roadway. The road is posted 50 MPH. This roadway is classified as a Boulevard/Light Collector on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>10/12</u>	<u>8/94</u>	<u>11/90</u>
Camino del Rey: E/o Camino del Cielo	4,570*		
E/o West Lilac Road		6,040*	5,310*

* Two-Way Count

<u>Spot Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Camino del Rey: 1,000' e/o Camino del Cielo	(2013)	52.0 MPH	42-51	71.0%
1,080' w/o Mile Post 1	(1994)	56.4 MPH	45-54	59.2%

Collision Data

There have been __ reported collisions, __ of which involved injury, along this segment of roadway in the last five years, four months (01-1-08 to 04-30-13).



Spot Speed Study

Prepared by: National Data & Surveying Services

City of Bonsall

DATE: 6/5/2013

Location: Camino del Rey 1000' S/o Camino del Cielo

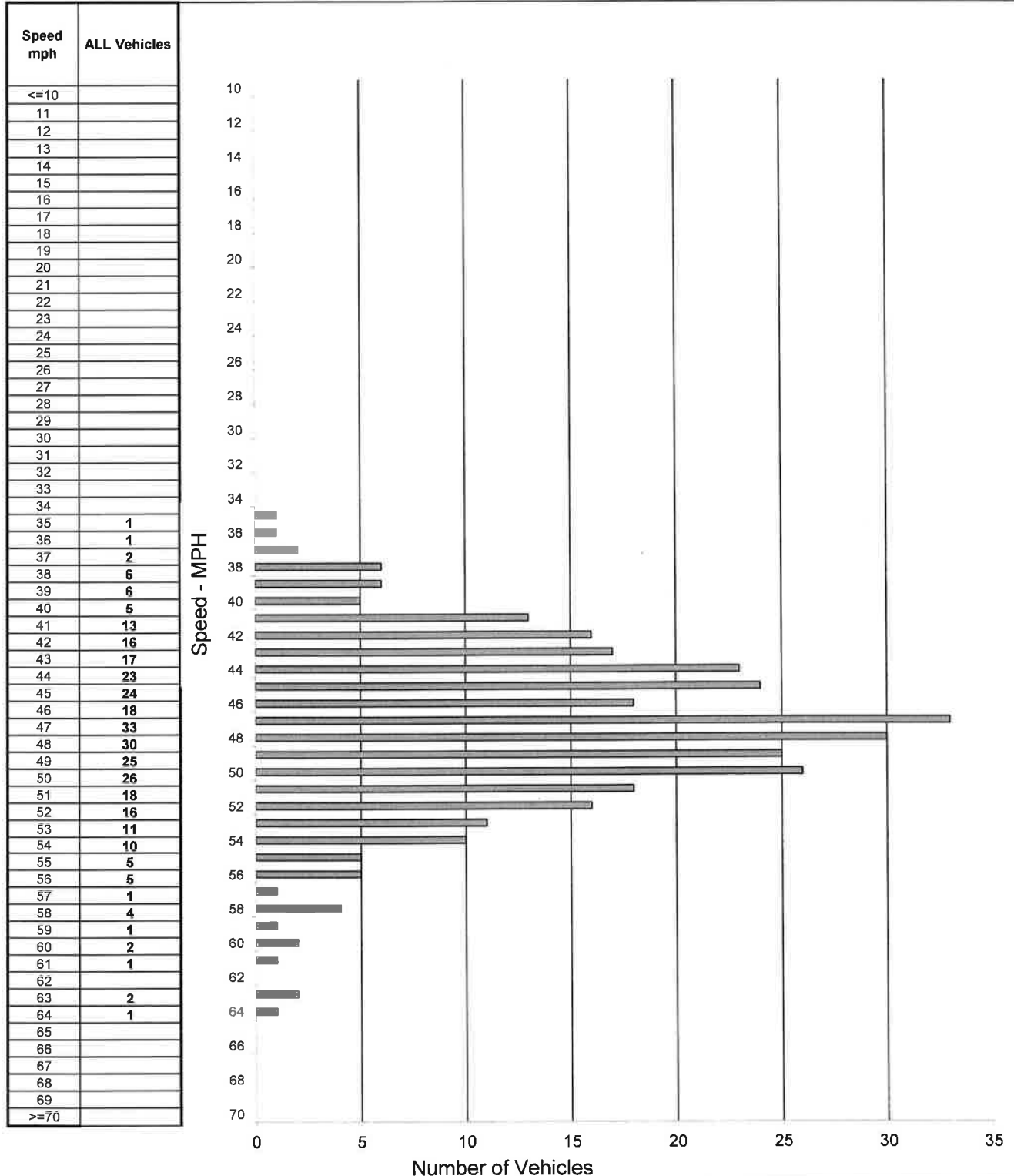
TIME: 09:00-11:00

Posted Speed: 50 MPH

Clear/Dry

Project #: 13-4192-003

Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	323	35 - 64	47 mph	52 mph	42 - 51	230	71%	10% / 34	19% / 59

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 Item 5-C

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Rancho Santa Fe Road/La Bajada/Los Morros from the Encinitas City Limit easterly to the east line of La Granada (1.15 miles) RANCHO SANTA FE (Thos. Bros. 1167-J1) San Dieguito Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 40 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Rancho Santa Fe Road/La Bajada/Los Morros is posted 40 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Rancho Santa Fe Road/La Bajada/Los Morros is a striped two-lane Through Highway that varies from 20 to 64 feet wide. There is edge-striping along both sides of the roadway. The road is posted 40 MPH/Radar Certified. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>6/13</u>	<u>4/05</u>	<u>5/95</u>
La Bajada:			
W/o La Noria	16,760*		
@ La Noria		16,800*	12,210*

* Two-Way Count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
La Bajada:			
200' w/o La Noria	(2013) 45.9 MPH	38-47	87.6%
	(2005) 45.6 MPH	38-47	74.0%
Los Morros:			
70' e/o La Jacaranda	(2013) 39.0 MPH	31-40	87.2%
	(2005) 41.2 MPH	33-42	77.2%

Collision Data

There have been ___ reported collisions, ___ of which involved injury, along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

[illegible]

North

40 MPH

RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

La Bajada 200 ft W/o La Noria

DATE: 6-3-13 TIME START: 11:10am TIME END: 1:10pm WEATHER: clear ROAD TYPE:

DIRECTION: Ebt/Wbt SPEED LIMIT: 40MPH OBSERVER: CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
36	1	36	1	0.2	*
37	15	555	16	3.2	*****
38	20	760	36	7.3	*****
39	36	1404	72	14.6	*****
40	45	1800	117	23.7	*****
41	61	2501	178	36.0	*****
42	54	2268	232	47.0	*****
43	64	2752	296	59.9	*****
44	52	2288	348	70.4	*****
45	46	2070	394	79.8	*****
46	28	1288	422	85.4	*****
47	27	1269	449	90.9	*****
48	13	624	462	93.5	*****
49	15	735	477	96.6	*****
50	8	400	485	98.2	****
51	3	153	488	98.8	**
52	1	52	489	99.0	*
53	1	53	490	99.2	*
54	3	162	493	99.8	**
55	1	55	494	100.0	*
-----					0-----5-----10-----15-----20-----
494 21225					

AVERAGE SPEED = 42.9
 50th PERCENTILE = 42.2
 85th PERCENTILE = 45.9
 90th PERCENTILE = 46.8
 95th PERCENTILE = 48.4

PACE = 38 - 47
 % IN PACE = 87.6
 VEHICLES IN PACE = 433

SAMPLE VARIANCE = 11.00292
 STANDARD DEVIATION = 3.317064
 RANGE 1*S = 70.8502
 RANGE 2*S = 96.35627
 RANGE 3*S = 98.98786

RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Los Morros 70 ft E/o La Jacaranda

DATE: 6-3-13 TIME START: 1:20 pm TIME END: 3:20 pm WEATHER: clear ROAD TYPE:

DIRECTION: Ebt Wbt SPEED LIMIT: 40 MPH OBSERVER: CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					0-----5-----10-----15-----20-----
27	1	27	1	0.3	*
28	2	56	3	0.9	**
29	3	87	6	1.7	**
30	7	210	13	3.8	*****
31	20	620	33	9.6	*****
32	33	1056	66	19.1	*****
33	39	1287	105	30.4	*****
34	30	1020	135	39.1	*****
35	40	1400	175	50.7	*****
36	43	1548	218	63.2	*****
37	25	925	243	70.4	*****
38	21	798	264	76.5	*****
39	29	1131	293	84.9	*****
40	21	840	314	91.0	*****
41	5	205	319	92.5	***
42	10	420	329	95.4	*****
43	4	172	333	96.5	***
44	4	176	337	97.7	***
45	2	90	339	98.3	**
46	4	184	343	99.4	***
47	2	94	345	100.0	**
48	0	0	345	100.0	*
					0-----5-----10-----15-----20-----
	345	12346			

AVERAGE SPEED = 35.7
 50th PERCENTILE = 34.9
 85th PERCENTILE = 39
 90th PERCENTILE = 39.8
 95th PERCENTILE = 41.8

PACE = 31 - 40
 % IN PACE = 87.2
 VEHICLES IN PACE = 301

SAMPLE VARIANCE = 13.3085
 STANDARD DEVIATION = 3.648082
 RANGE 1*S = 65.79711
 RANGE 2*S = 95.65218
 RANGE 3*S = 99.42029

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 **Item 5-D**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: El Mirlo from the east line of Rancho Santa Fe Road easterly to the west line of Via de Fortuna (1.0 mile)
RANCHO SANTA FE (Thos. Bros. 1168-A1) San Dieguito Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 35 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

El Mirlo is posted 35 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 35 MPH speed limit.

Existing Traffic Devices

El Mirlo is a striped two-lane roadway that varies from 25 to 44 feet wide. There is edge-striping along both sides of the roadway. The road is posted 35 MPH/Radar Certified. This roadway is unclassified on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>6/13</u>	<u>7/06</u>	<u>9/98</u>
El Mirlo: W/o Avenida Alondra	3,140*	3,160*	6,820*

* Two-Way Count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
El Mirlo: 1,650' e/o Rancho Santa Fe Road	(2013) 37.0 MPH (2005) 41.5 MPH	28-37 33-42	86.0% 73.6%

Collision Data

There have been ___ reported collisions, ___ of which involved injury, along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

El Mirlo



Spot Speed Study

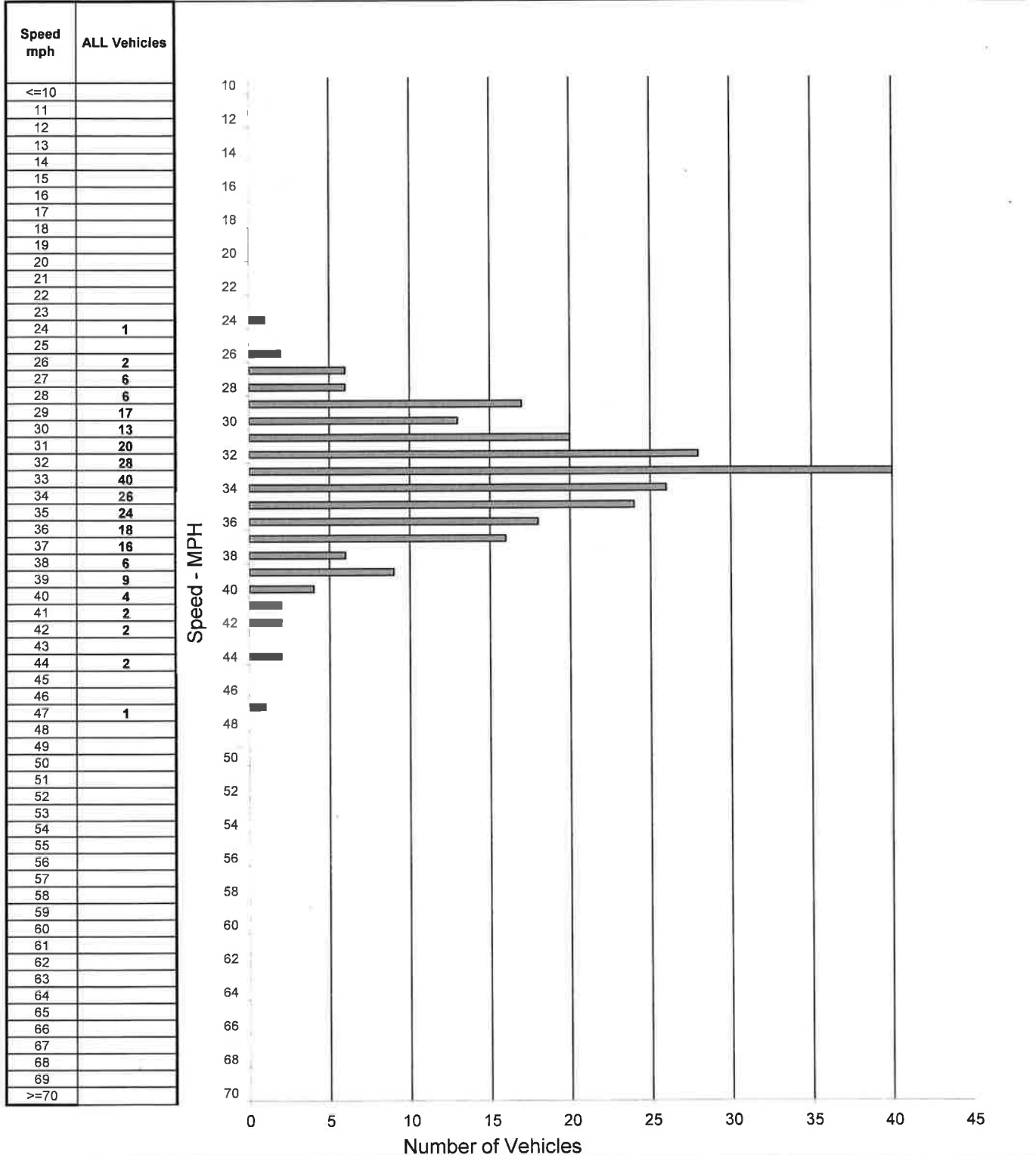
Prepared by: National Data & Surveying Services

City of Rancho Santa Fe

DATE: 6/3/2013
TIME: 09:00-11:00

Location: El Mirlo 1650' E/o Rancho Santa Fe Rd
Posted Speed: 35MPH Clear/Dry Project #: 13-4185-001

Eastbound & Westbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	243	24 - 47	33 mph	37 mph	28 - 37	208	86%	3% / 9	11% / 26

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013

Item 5-E

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Hutchison Street from the west line of East Vista Way southwesterly to a point 1,000 feet west of the west line of Harris Drive (0.68 miles) VISTA (Thos. Bros. 1067-J7) Bonsall Community Sponsor Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 40 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Hutchison Street is posted 40 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Hutchison Street is a striped two-lane roadway that varies from 24 to 36 feet wide. The road is posted 40 MPH/Radar Certified. This roadway is unclassified on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>6/13</u>	<u>4/02</u>	<u>8/99</u>
Hutchison Street: W/o East Vista Way E/o Harris Drive	1,600*	1,670*	940*

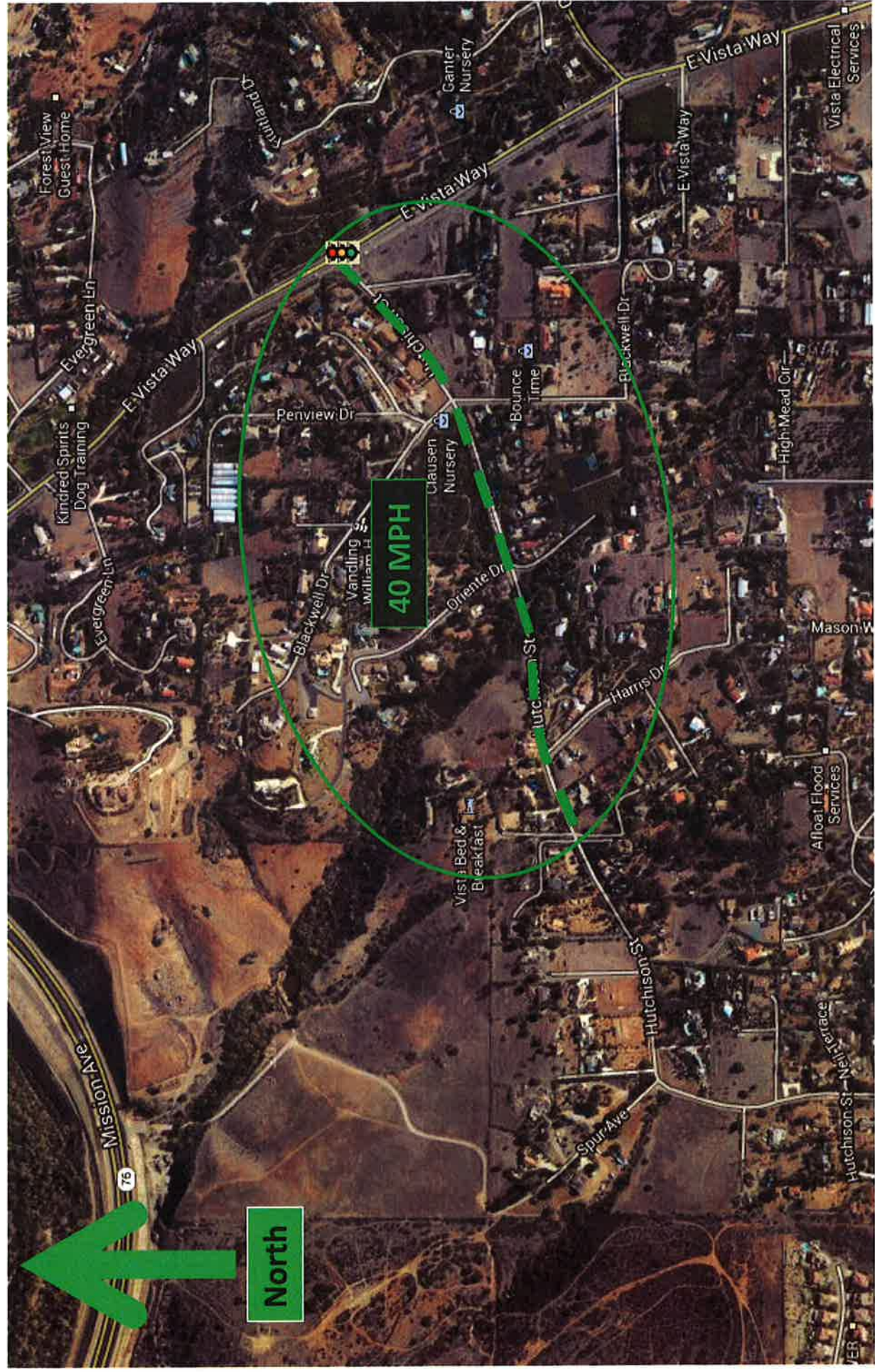
* Two-Way Count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Hutchison Street: 150' e/o Via Vista del Rio	(2013) 40.0 MPH (2006) 37.5 MPH	30-39 29-38	66.0% 68.0%

Collision Data

There have been no reported collisions along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

Hutchison Street



Spot Speed Study

Prepared by: National Data & Surveying Services

City of Vista

Via Vista del Rio

DATE: 6/5/2013

Location: Hutchison St 150' E/o Vista del Sol

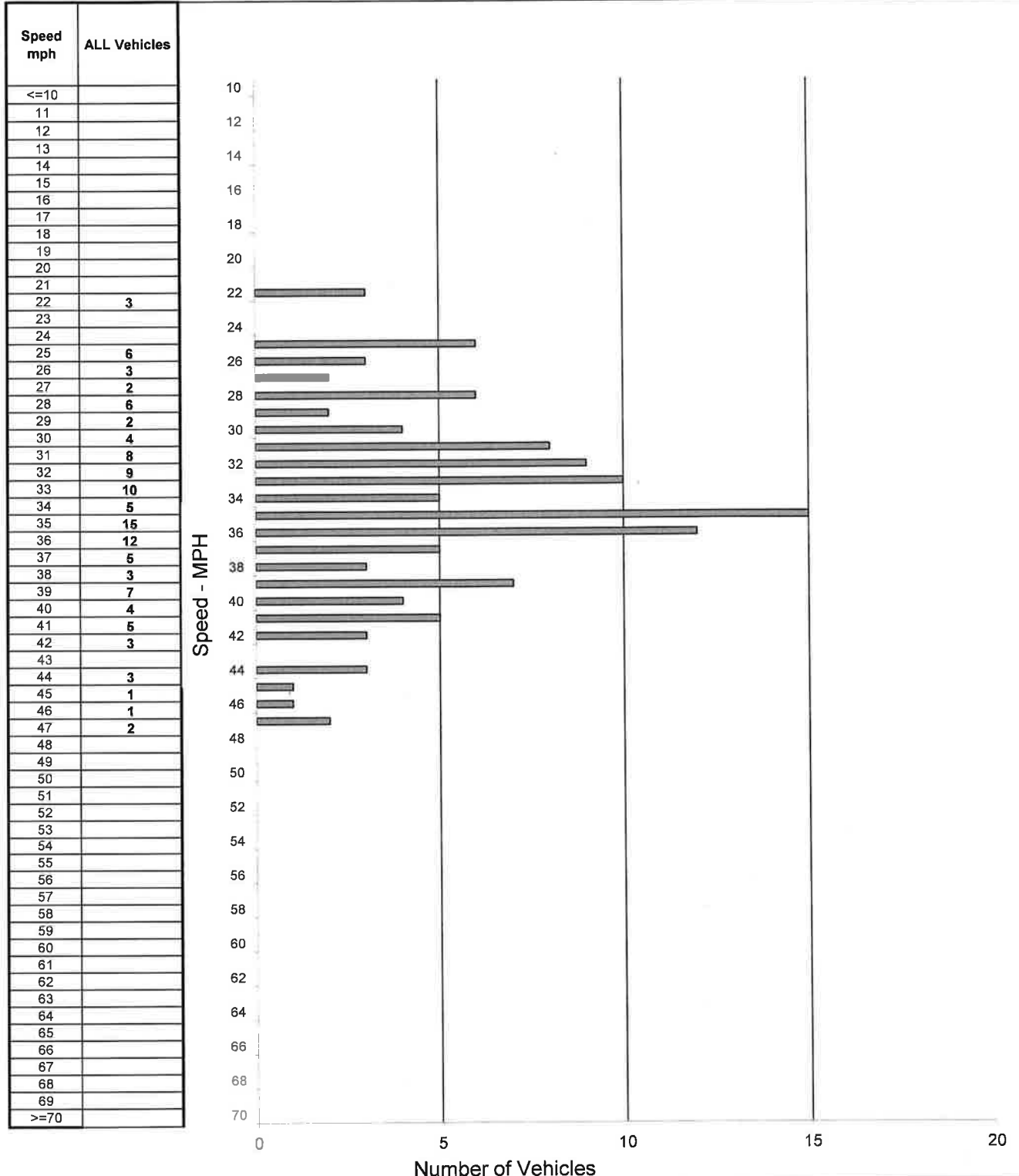
TIME: 11:15-14:20

Posted Speed: 40 MPH

Clear/Dry

Project #: 13-4190-004

Eastbound & Westbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	119	22 - 47	35 mph	40 mph	30 - 39	78	66%	18% / 22	16% / 19

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 **Item 5-F**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Brooke Road from the south line of Stage Coach Lane southerly to the north line of Winter Haven Road (0.72 miles) FALLBROOK (Thos. Bros. 1027-J6) Fallbrook Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 45 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Brooke Road is posted 45 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 45 MPH speed limit.

Existing Traffic Devices

Brooke Road is a striped two-lane roadway that varies from 25 to 32 feet wide. There is edge-striping along both sides of the roadway. The road is posted 45 MPH/Radar Certified. This roadway is unclassified on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>4/13</u>	<u>11/04</u>	<u>5/99</u>
Brooke Road: S/o Stage Coach Lane	2,800*	3,380*	4,130*

* Two-Way Count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Brooke Road: 70' e/o Rancho Mia	(2013) 49.1 MPH (2006) 49.9 MPH	40-49 39-48	67.6% 64.9%

Collision Data

There have been __ reported collisions, __ of which involved injury, along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

Brooke Road



RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

BROOKE ROAD 70' S/O RANCHO MIA

DATE: 5-21-13 TIME START: 9:00 AM TIME END: 11:15 AM WEATHER: CLEAR ROAD TYPE:

DIRECTION: NBT/ST SPEED LIMIT: OBSERVER: CALIBRATION TEST: Y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					0-----5-----10-----15-----20-----
30	2	60	2	1.0	**
31	0	0	2	1.0	*
32	1	32	3	1.5	*
33	2	66	5	2.5	**
34	3	102	8	4.0	***
35	1	35	9	4.5	*
36	2	72	11	5.5	**
37	5	185	16	8.0	*****
38	12	456	28	13.9	*****
39	6	234	34	16.9	*****
40	11	440	45	22.4	*****
41	17	697	62	30.8	*****
42	9	378	71	35.3	*****
43	16	688	87	43.3	*****
44	16	704	103	51.2	*****
45	16	720	119	59.2	*****
46	15	690	134	66.7	*****
47	14	658	148	73.6	*****
48	13	624	161	80.1	*****
49	9	441	170	84.6	*****
50	7	350	177	88.1	*****
51	5	255	182	90.5	*****
52	7	364	189	94.0	*****
53	9	477	198	98.5	*****
54	3	162	201	100.0	***
					0-----5-----10-----15-----20-----
	201	8890			

AVERAGE SPEED = 44.2
 50th PERCENTILE = 43.8
 85th PERCENTILE = 49.1
 90th PERCENTILE = 50.7
 95th PERCENTILE = 52.2

PACE = 40 - 49
 % IN PACE = 67.6
 VEHICLES IN PACE = 136

SAMPLE VARIANCE = 25.4675
 STANDARD DEVIATION = 5.046534
 RANGE 1*S = 67.66169
 RANGE 2*S = 96.0199
 RANGE 3*S = 100

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 26, 2013 **Item 5-G**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Reche Road from the east line of Live Oak Park Road easterly to the west line of Via Vista (0.68 miles)
FALLBROOK (Thos. Bros. 1028-B4) Fallbrook Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 40 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Reche Road is posted 40 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Reche Road is a striped two-lane Through Highway that varies from 24 to 35 feet wide. There is edge-striping along both sides of the roadway. The road is posted 40 MPH/Radar Certified. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>6/13</u>	<u>4/06</u>	<u>4/02</u>
Reche Road:			
E/o Live Oak Park Road	10,800*		
W/o Gird Road		11,230*	11,190*

* Two-Way Count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Reche Road:			
1,180' E/o Live Oak	(2013) 43.5 MPH	36-45	83.2%
Park Road	(2006) 40.7 MPH	33-42	87.0%

Collision Data

There have been ___ reported collisions, ___ of which involved injury, along this segment of roadway in the last five years, four months (01-01-08 to 04-30-13).

This aerial map shows a residential area with a green 40 MPH speed limit zone. The zone is an oval shape covering a central part of the map. Roads shown include Reche Rd, Via Vista Rd, Via Del Oro, Green Canyon Rd, and others. Landmarks like Live Oak Park and Live Oak Coalition are marked. A green arrow points North.



RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Reche Road 1180 ft E/o Live Oak Park Road

DATE: 6-4-13 TIME START: 9:30 AM TIME END: 11:30 AM WEATHER: clear ROAD TYPE:

DIRECTION: Ebt Wbt SPEED LIMIT: 40 MPH OBSERVER: CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					0-----5-----10-----15-----20-----
30	1	30	1	0.2	*
31	3	93	4	0.8	**
32	5	160	9	1.7	**
33	9	297	18	3.4	****
34	17	578	35	6.6	*****
35	20	700	55	10.4	*****
36	20	720	75	14.2	*****
37	34	1258	109	20.6	*****
38	48	1824	157	29.6	*****
39	47	1833	204	38.5	*****
40	61	2440	265	50.0	*****
41	59	2419	324	61.1	*****
42	61	2562	385	72.6	*****
43	43	1849	428	80.8	*****
44	41	1804	469	88.5	*****
45	27	1215	496	93.6	*****
46	10	460	506	95.5	****
47	9	423	515	97.2	****
48	5	240	520	98.1	**
49	3	147	523	98.7	**
50	4	200	527	99.4	**
51	2	102	529	99.8	*
52	0	0	529	99.8	*
53	1	53	530	100.0	*
					0-----5-----10-----15-----20-----
530	21407				

AVERAGE SPEED = 40.3
 50th PERCENTILE = 40
 85th PERCENTILE = 43.5
 90th PERCENTILE = 44.2
 95th PERCENTILE = 45.7

PACE = 36 - 45
 % IN PACE = 83.2
 VEHICLES IN PACE = 441

SAMPLE VARIANCE = 13.60326
 STANDARD DEVIATION = 3.68826
 RANGE 1*S = 74.33963
 RANGE 2*S = 93.77358
 RANGE 3*S = 99.81132